



Customer No. 28880

Confirmation No. 1877

PTO/SB/08A (08-03)

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Complete if Known

Application Number	10/743,287
Filing Date	December 23, 2003
First Named Inventor	Dasseux, et al
Art Unit	1614
Examiner Name	Taofiq Solola
Attorney Docket Number	PC 20612B (10173-105-999)

Sheet	1	of	5
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U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
Yo		US- 3,930,024A	12/30/1975	Creger, Paul L	
		US- 4,287,200A	9/1/1981	Kawamatsu, Yitala. et al	
		US- 5,756, 544A	5/26/1998	Greger, Paul L, et al	
		US- 2005-0043278	12/23/2003	Dasseux, et al	
		US- 2005-0214887	12/23/2003	Dasseux, et al	
		US- 3,152,148A	10/1964	Easterly, et al	
		US- 3,773,946A	11/1973	Creger	
		US- 3,930,024A	12/1975	Creger	
		US- 4,287,200A	9/1981	Kawamatsu, et al	
		US- 4,584,321A	4/1996	Manghisi, et al	
		US- 4,613,593A	9/1986	Yamatsu, et al	
		US- 4,634,719A	1/1987	Takaishi, et al	
		US- 4,896,344A	8/1987	Bar-Tana, Jacob	
		US- 4,711,896A	12/1987	Bar-Tana, et al	
		US- 4,714,762A	12/1987	Hoefle, et al	
		US- 5,166,174A	11/1992	Ueno, et al	
		US- 5,225,439A	7/1993	Ueno, et al	
		US- 5,284,858A	2/1994	Ueno, et al	
		US- 5,380,709A	1/1995	Ueno, et al	

FOREIGN PATENT DOCUMENTS						
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		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY			
Yo		FR 1 545 224A	11/8/1968	Geigy AG J R		
J		GB 1196594 English Equivalent to FR 1545 224	7/1/1970	Howell		
		GB 1196595 English Equivalent to FR 1545 224	7/1/1970	Howell		
		GB 1196596 English Equivalent to FR 1545 224	7/1/1970	Howell		
		GB 1196597 English Equivalent to FR 1545 224	7/1/1970	Howell		
		GB 1196598 English Equivalent to FR 1545 224	7/1/1970	Howell		

Examiner Signature	T. A. Solola	Date Considered	3-21-06
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Sheet 2 of 5**Complete if Known**

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Examiner Name	Taofiq Solola
Attorney Docket Number	PC 20612B (10173-105-999)

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Yo		US- 5,428,062A	6/1995	Ueno, et al	
		US- 5,648,387A	7/1997	Bisgaier, et al	
		US- 5,750,569A	5/1998	Bisgaier, et al	
		US- 5,756,344A	5/1998	Onda, et al	
		US- 5,756,544A	5/1998	Bisgaier, et al	
		US- 5,783,600A	7/1998	Bisgaier, et al	
		US- 5,834,596A	11/1998	Ageland, et al	
		US- 5,886,034A	4/1999	Ueno, et al	
		US- 6,004,925A	12/1999	Dasseux, et al	
		US- 6,037,323 A	4/2000	Dasseux	
		US- 6,459,003	10/2002	Dasseux, et al	
		US- 6,699,910	4/2/2004	Dasseux, et al	
		US- 6,646,170	11/11/2003	Dasseux, et al	
		US- 6,713,507	4/30/2002	Dasseux, et al	
		US- 6,673,780	1/6/2004	Dasseux, et al	
		US- 6,703,422	4/9/2004	Dasseux, et al	
		US- 3,441,605	4/1969	Blake et al	
		US- 3,773,946	11/1973	Creger	
		US- 3,930,024	12/1975	Creger	

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Yo		WO 98/30530A	7/16/1998	Bar-Tana, Jacob		
↓		EP 0 284 108	8/11/1993	McFetridge, Grant T		
↓		WO 96/30328	10/3/1996	Bisgaier, et al		
Yo		WO 99/00116	1/7/1999	Bar-Tana, Jacob		

Examiner Signature	T. A. Solola	Date Considered	3-21-06
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Sheet 3

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Attorney Docket Number

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YD		US- 4,287,200	9/1981	Kawamatsu et al	
		US- 4,584,321	4/1986	Manghisi et al	
		US- 4,613,593	9/1986	Yamatsu et al	
		US- 4,634,719	1/1987	Takaishi et al	
		US- 4,639,344	8/1987	Bar-Tana et al	
		US- 4,711,896	12/1987	Bar-Tana et al	
		US- 5,502,198	3/1996	Picard et al	
		US- 5,504,073	4/1996	Homan	
		US- 5,578,639	11/1996	Homan	
		US- 5,633,287	5/1997	Lee et al	
		US- 5,648,387	7/1997	Bisgaier et al	
		US- 5,570,569	5/1998	Bisgaier, et al	
		US- 5,968,963	10/1999	Homan	
		US- 5,981,595	11/1999	Picard et al	
		US- 6,017,905	1/2000	Roark et al	
	US- 6,093,719	7/2000	Bocan		
	US- 6,093,744	7/2000	Lee, et al		
	US- 6,124,309	9/2000	Bocan		
	US- 6,143,755	11/2000	Bocan		

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**Examiner
Signature**

T. A. Solo G

Date
Considered

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Sheet

4

of

5

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
Y0		BICKING, et al., "11,12-Secoprostaglandins. 1. Acylhydroxyalkanoic acids and related compounds", J. Med. Chem., 1977, pp. 35-43, vol. 20	
		NAGANO H, et al., "Stereoselectivity in the formation and radical reduction of cyclic bromoacetals, key intermediates for the synthesis of delta-hydroxy-and epsilon-hydroxy-alpha-methylcarboxylic acid esters", Tetrahedron Letters, 2003, pp. 6867-6870, vol. 44, no. 36	
		BOBROVA, et al., abstract, J. Org. Chem, 1983, pp. 259-261, vol. 19	
		NARASAKA, et al., abstract, Bull. Chem. Soc, 1987, pp. 1457-1464, vol. 60, no. 4	
		RIEKE, et al., abstract, J. Org. Chem, 1996, pp. 2726-2730, vol. 61, no. 8	
		PECHMANN, abstract, Chem. Ber., 1904, page 3819, vol. 37	
		LARDELLI, et al., abstract, Recl. Trav. Chim., 1967, pp. 481-503, vol. 86	
		CRISAN, abstract, Ann. Chim., 1956, pp. 436-459, vol. 13, no. 1	
		BLATT, et al., The reducing action of the Grignard reagent and the synthesis of tertiary aliphatic carbinols", J. Org. Chem., 1932, pp. 1495-1499, vol. 54	
		BROWN, et al., "Hydroboration. 67. Cyclic hydroboration of acyclic alpha, omega-dienes with 9-Borabicyclo '3.3.1' nonane/borane-dimethyl sulfide", J. Org. Chem., pp. 1072-1078, vol. 49, no. 6 (1984)	

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Y.O		WEBER, et al., abstract, J. Med. Chem., 1992, pp. 3755-3773, vol. 35, no. 21	
		YAMAMOTO, "Asymmetric synthesis of 5-and 6-memebered lactones from cyclic substrates bearing a c2-chiral auziliary", J. Org. Chem., 1991, pp. 1112-1119, vol. 35, no. 21	
		OOI T, et al., abstract, Angewandte Chemie., 2001, vol. 40, no. 19	
		ENGLISH, J. Am. Chem. Soc., 1941, pg. 942, vol. 63	
		GLEITER, et al., Synthesis of 5,5,10,10-tetramethyl-1-oxacyclotridecane-6,7,8,9-tetrone-on the mechanism of the Rubottom reaction, 1995, (9), pp. 1655-1661	
		GLEITER, et al., Synthesis and properties of 4,4,9,9-tetramethyl-1-oxa-cycloundecane-5,6,7,8-tetrone and 9-tetramethyl-1-oxa-cyclotridecane-6,7,8,9-tetrone, 1996, 2(3), pp. 271-277	
		MOMENTEAU, et al., abstract, J. Chem Soc. Perkin Trans. 1985, pgs 221-232	

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